

IN THE CLAIMS:

The following is a complete listing of claims in this application.

Claims 1-16 (canceled).

17. (new) Device for cleaning of underwater surfaces, comprising:

a rotary disc member which is constructed and arranged to rotate in a rotational plane and having a rotational axis, the rotary member equipped with a plurality of nozzles for discharging liquid under pressure against the surfaces to be cleaned, said nozzles being arranged along a circular line on a surface of the rotary disc member and being attached to the rotary member obliquely in relation to the rotational axis, such that water jets being discharged from the nozzles will have a velocity component v_n that is perpendicular to the rotational plane of the rotary member and a velocity component v_p that is parallel to the rotational plane of the rotary member;

means for supplying said nozzles with liquid under pressure through a hollow spindle concentric with the rotational axis;

means for setting the rotary member in rotation by means of separate propulsion device; and

wherein arbitrary radial sections of the rotary disc member are substantially equal in shape and size, and

wherein the velocity component v_p that is parallel to the rotational plane is the sum of a velocity component v_r that is radial in relation to the rotary disc member and a velocity component v_t that is tangential in relation to the circular line along which the nozzles are arranged,

the means for setting the rotary member in rotation causing rotation in a direction in relation to the inclination

of the nozzles such that the tangential velocity component v_t for the liquid being discharged from at least half of the nozzles has a direction which is the same as the direction of rotation of the rotary disc.

18. (new) Device as claimed in claim 17, wherein at least half of the nozzles have an inclination such that the radial velocity component V_r for water being discharged from these nozzles is positive, directed outwards from the circular line, concentric with the rotary disc member.

19. (new) Device as claimed in claim 17, wherein the means setting the rotary disc member in rotation comprises a gear mechanism in engagement with external propulsion means.

20. (new) Device as claimed in claim 19, wherein the external propulsion means is a water hydraulic motor.

21. (new) Device as claimed in claim 17, wherein the rotary disc member is flat or concave on a side facing the surface to be cleaned.

22. (new) Device as claimed in claim 17, wherein the rotary disc member has a diameter of 20-50 cm.

23. (new) Device as claimed in claim 17, wherein the rotary disc member is constructed and arranged to turn the rotary disc at an angular speed of 200-700 rpm by external propulsion means.

24. (new) Device as claimed in claim 17, wherein the liquid supplied to the nozzles is at a pressure of 100-500 bars.

25. (new) Device as claimed in claim 24, wherein the pressure of the liquid supplied to the nozzles is at a pressure of 250-350 bars.

26. (new) Device as claimed in claim 17, wherein at least two nozzles are arranged along a common circular line with a center at the rotational axis and the nozzles are distributed angularly symmetrically along said common circular line.

27. (new) Device as claimed in claim 26, wherein the rotary disc has at least two circular lines along which nozzles are arranged with angular symmetry.

28. (new) Device as claimed in claim 17, additionally comprising spacing elements constructed and arranged to ensure that the rotary disc is at all times held parallel to the surface to be cleaned and at a predetermined distance from the surface to be cleaned.

29. (new) Device as claimed in claim 28, wherein said spacing elements are wheels.

30. (new) Device as claimed in claim 28, wherein the spacing elements are constructed and arranged to hold the rotary disc in a position where the distance between the surface to be cleaned and the nozzles is 0.5-2 cm.

31. (new) Device as claimed in claim 17, wherein the nozzles are constructed and arranged to provide conical water jets that strike the surface to be cleaned in areas that in dependence on the inclination of the nozzles are substantially circular or elliptic.

32. (new) Device as claimed in claim 17, wherein the nozzles have slit shaped apertures and are constructed and arranged to provide water jets that strike the surface to be cleaned in areas that are wider in a direction parallel to the radius of the rotary disc than in a direction perpendicular to the radius of the rotary disc member.